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**MIAMI-DADE COUNTY, FLORIDA
NOTICE TO PROFESSIONAL CONSULTANTS (NTPC)
PUBLIC WORKS AND WASTE MANAGEMENT DEPARTMENT
CONSTRUCTION ENGINEERING AND INSPECTION SERVICES AND
FLORIDA DEPARTMENT OF TRANSPORTATION
LOCAL AGENCY PROGRAM COMPLIANCE SERVICES
TAMIAMI CANAL BRIDGE REPLACEMENT, FM #416658-1
PWWM PROJECT NO. 20140081
ISD PROJECT NO. E15-PWWM-02**

The County Mayor, Miami-Dade County (County), pursuant to Section 287.055, Florida Statutes, Sections 2-8.1 and 2-10.4 of the County Code, Implementing Order 3-34, and Administrative Order (A.O.) 3-39 announces that Construction Engineering Inspection (CEI) services, Florida Department of Transportation Local Agency Program (FDOT LAP) compliance services, and Laboratory Testing services for Public Works and Waste Management (PWWM) Project No. 20140081, Tamiami Canal Bridge Replacement, FM #416658-1 will be required.

Prime and sub-consultants selected for the design and the Contractor selected to perform any of the construction scope of PWWM Project No. 20140081 are precluded from being considered for award of this PSA under ISD Project No. E15-PWWM-02.

PWWM has the need to establish one (1) non-exclusive Professional Services Agreement (PSA) to provide Construction Engineering Inspection (CEI), FDOT LAP Compliance Services, and Laboratory Testing (Consultant) required for contract administration, inspection, and materials sampling and testing for the Construction of PWWM project No. 20140081, Tamiami Canal Bridge Replacement FM# 416658-1 (PROJECT).

The selected consultant will be required to provide services in accordance with FDOT Section 4.1.4 of the Construction Project Administration Manual (CPAM), Miami-Dade County Public Works Manual, services defined under this scope, and the requirements of the PROJECT's construction documents. FDOT information can be found at:

<http://www.dot.state.fl.us/construction/DesignBuild/ConsultantCEI/ConsultantMain.shtm>
and
<http://www.dot.state.fl.us/construction/manuals/cpam/CPAMManual.shtm>

The selected Consultant will report directly to the PWWM's Engineer.

Consultant services shall include, but are not limited to:

- Administering and inspecting all aspects of the PROJECT including roadway, drainage improvements, signage and pavement markings, bridge/roadway lighting, structural mechanical and electrical components, abutments, compliance

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with the National Register of Historic Places, underwater inspection, and environmental requirements;

- Assisting the PWWM's Engineer at the Pre-construction conference including preparing agenda, meeting minutes, project records, etc.;
- Ensuring that the Contractor meets all Contractor Quality Assurance and Control requirements of the Contract Documents including the Contractor's Quality Control Plan (CQCP) and personnel qualification requirements of Article 105 of the FDOT Standard Specifications for Road and Bridge Construction;
- Reviewing and providing the PWWM Engineer with comments on the CQCP submitted by the Contractor;
- Identifying potential problems, provide utility coordination, inspection of all stages of the construction/installation, scheduling and cost estimation, claims review, shop drawing review and approval, answering RFIs and providing recommendations, inspection reporting and documentation, and review punch lists, as-built plans, record drawings and close-out documents;
- Performing daily inspections for all work and preparing and submitting to the County, as requested by FDOT, daily reports of all work occurring during the Construction phase of the PROJECT;
- Administering, monitoring, and inspecting the PROJECT to ensure that it is constructed in reasonable conformity with the Plans, Specifications, and all requirements of the Construction Documents including monitoring progress (schedule) and quantities (payment requisitions);
- Monitoring the Contractor's on-site construction activities and inspecting materials entering into the Work in accordance with the Plans, Specifications, and all requirements of the Construction Documents;
- Participating in weekly progress meetings with County and FDOT representatives and the Contractor, providing a weekly summary of the meetings to the PWWM Engineer, and following up on all construction related issues until their resolution;
- Performing underwater bridge construction inspections of bridges with permanently submerged structural members;
- Observing the Contractor's work to determine the progress and quality of work. Identifying discrepancies and reporting them to the PWWM Engineer, and directing the Contractor, with the PWWM Engineer's concurrence, to correct such observed discrepancies. Reviewing as-built information for accuracy;
- Providing a final certification that the Work was done in accordance with all of the pertinent Codes, Plans, Specifications and all other Contract requirements of the PROJECT. This certification is in addition to the final certification and other close out documents that must be provided by Contractor;
- Providing services that comply with FDOT manuals, procedures, and memoranda in effect as of the date of execution of the Agreement unless otherwise directed in writing. Such FDOT manuals, procedures, and memorandums are found at the FDOT State Construction Office's website;
- Verifying that the contractor is in compliance with the requirements of the FDOT Laboratory Information Management System (LIMS), confirming that the materials, samples and records are accurate;

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- Monitoring the Contractor and Subcontractor's performance for compliance with all requirements of the Equal Employment Opportunity (EEO), Affirmative Action (AA), Disadvantage Business Enterprise (DBE), On-the-Job Training (OJT) and federal Wage Rate Provisions required by the FHWA 1273 Required Contract Provisions Federal-Aid Construction Contracts and applicable Florida Statutes;
- Meeting with FDOT designee in order to respond to construction and post construction audits;
- Provide Concrete and Asphalt Testing Services;
- Provide Non-Destructive Testing (NDT) and Inspections

Experience and Qualifications:

For the Prime:

- a. Minimum 10 years of experience with CEI of bascule bridges;
- b. Preferred 5 years of experience with bridge related projects which involve the Historic Preservation Board;
- c. Minimum 5 years of experience with compliance of federally funded projects including knowledge of FDOT State Materials Office, Laboratory Information Management System (LIMS);
- d. Completion of LAP Training provided by FDOT prior to submitting for this project.

The expertise must be met by a qualified individual(s) of the prime firm. The experience must be demonstrated by direct or substantial involvement of the individual(s) in a supervisory capacity at the Project Manager level or above. The determination of the individual's qualifications and compliance with the experience and qualifications shall be at the sole discretion of the County. The Competitive Selection Committee may negatively evaluate proposals from firms they determine have failed to meet the above experience and qualification(s). Information regarding the experience and qualification(s), for the prime and A&E sub-consultants, must be included in ISD's Form No. 11.

A/E TECHNICAL CERTIFICATION REQUIREMENTS

Prime

17.00 ENGINEERING CONSTRUCTION MANAGEMENT

Prime and/or Sub-consultants

- 3.03 HIGHWAY SYSTEMS – BRIDGE DESIGN
- 3.12 HIGHWAY SYSTEMS – UNDERWATER ENGINEERING INSPECTION
- 9.02 SOILS, FOUNDATION AND MATERIALS TESTING – GEOTECHNICAL AND MATERIALS ENGINEERING SERVICES
- 9.03 SOILS, FOUNDATIONS, AND MATERIALS TESTING – CONCRETE AND ASPHALT TESTING SERVICES

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- 9.04 SOILS, FOUNDATIONS, AND MATERIALS TESTING – NON-DESTRUCTIVE TESTING AND INSPECTIONS
- 12.00 GENERAL MECHANICAL ENGINEERING
- 13.00 GENERAL ELECTRICAL ENGINEERING

One (1) consultant/team of firm(s) will be retained under a non-exclusive Professional Services Agreement for an effective term of 760 Days, for an estimated cost estimate of \$2,860,000 inclusive of contingency.

A 9.91% Disadvantaged Business Enterprise (DBE) goal has been established for this solicitation.

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